

1. Product and Company Identification

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Product Name Epoxidized soybean oil
Part Number RXSOL-19-3733-200

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

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2. Composition / Information on ingredients

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Chemical Name	Cas No	Concentration (%)
Epoxidized soybean oil	8013-07-8	100

3. Hazards Identification

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Classification of the substance or mixture	Not a hazardous substance or mixture.
GHS Label elements, including precautionary statements	Not a hazardous substance or mixture.
Hazards not otherwise classified (HNOC) or not covered by GHS	None

4. First Aid Measures

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If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

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Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Nature of decomposition products not known.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

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Precautions for safe handling	For precautions see section 2
Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry and well-ventilated place. Store under inert gas. Moisture sensitive. Exposure to moisture Storage class (TRGS 510): Non Combustible Solids Keep container tightly closed in a dry and well ventilated place. Storage class (TRGS 510): combustible liquids
Specific end use(s)	Laboratory chemicals, Manufacture of substances

8. Exposure controls and personal protection

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Components with workplace control parameters	Contains no substances with occupational exposure limit values.
Appropriate engineering controls	General industrial hygiene practice.
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)
Control of environmental exposure	No special environmental precautions required.

9. Physical and chemical properties

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Appearance	Solid
Odour	Faint
Odour Threshold	No data available
pH	No data available
Freezing/Melting Point	No data available
Initial boiling point and boiling range	No data available
Flash Point:	231°C (448°F)
Evaporation Rate	No data available

Flammability(solid,gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Water solubility	Insoluble
Partition coefficient: noctanol/wate	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10. Stability and reactivity

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Reactivity	Not available
Chemical stability	Stable under recommended storage conditions
Possibility of hazardous reactions	No data available
Conditions to avoid	Avoid moisture
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Other decomposition products - No data available In the event of fire: see section 5

11. Toxicological information

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Acute toxicity	LD50 Oral ☐ Rat ☐male and female - > 5,000 mg/Kg (OECD Test Guideline 401)
Inhalation	No data available
Dermal	No data available
Skin corrosion/irritation	Skin ☐ Rabbit Result: Mild skin irritation
Serious eye damage/eye irritation	Eyes ☐ Rabbit Result: Mild eye irritation (OECD Test Guideline 405)
Respiratory or skin sensitisation	Maximisation Test (GPMT) ☐ Guinea pig Result: Does not cause skin sensitization (OECD Test Guideline 406)
Germ cell mutagenicity	Mouse Lymphocyte Result: negative
Carcinogenicity	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	RTECS: Not available

12. Ecological information

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Toxicity	
Toxicity to fish	LC50 \square Leuciscus idus (Golden orfe) \square 900 mg/l \square 48 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	EC50 \square Daphnia magna (Water flea) - > 100 mg/l \square 24 h
Toxicity to algae	EC50 \square Desmodesmus subspicatus (green algae) \square 8 mg/l \square 72 h
Persistence and degradability Biodegradability	aerobic \square Exposure time 28 d Result: 92% - Not readily biodegradable (OECD Test Guideline 301B)
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	No data available

13. Disposal considerations

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Product	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of as unused product.

14. Transport information

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DOT (US)	Not dangerous goods
IMDG	UN number: 3082 Class: 9 Packing group: III
Proper shipping name	Environmentally hazardous substance, liquid, N.O.S. (Epoxidized soybean oil)
Marine pollutant	Yes
IATA	UN number: 3082 Class: 9 Packing group: III
Proper shipping name:	Environmentally hazardous substance, liquid, N.O.S. (Epoxidized soybean oil)
Further information	EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5Kg for solids

15. Regulatory information

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SARA 302 Components	No chemicals in this material are subject to the reporting requirements of
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SARA 313 Components	SARA Title III, Section 302 This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	No SARA Hazards
Massachusetts Right To Know Components	No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right To Know Components	Epoxidized soybean oil
Epoxidized soybean oil	CAS-No. Epoxidized soybean oil 8013-07-8
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other information

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No data available

Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

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Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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